

# Exam 1 Study Guide

This exam will cover all of the material presented in class. Sample questions are listed below. The sample questions do not cover all of the content of the exam but they are representative of the types of questions that will be asked.

- Define and understand the terms/phrases: HTTP, WWW, URL, DOM, method, status, query parameter, fragment, scheme, port, path, HTTP request, HTTP response, headers, cookies, sessions, session objects, controllers, services, persistence, models, view, AJAX.
- Identify each part of: `https://doe.j@www.acme.org:835/app/a?q=bear#fish`
- Write a JavaScript function that accepts a single integer argument “n”. It makes an AJAX call to the endpoint <http://www.acme.org/api/v1/numbers>. This endpoint supports a query parameter named “size” that must be an integer in [1,20]. The size is given by the argument “n”. The endpoint will respond with a list of integers of that size. Your code must receive the response, populate an unordered list of those numbers, and add it to the element in the document having the id of “numbers”.
- Write a node-express file that has routes to create/update/delete/edit an item in an authenticated users list of to-dos. Each item has properties named “description”, “completed” and “id”. The description is a string, the completed is a boolean, the id is a string. The application already has express-sessions installed. Ensure that these endpoints are secure (i.e. user A is unable to access data from user B).